BRIEF DISCRIPTION OF THE DRAWING
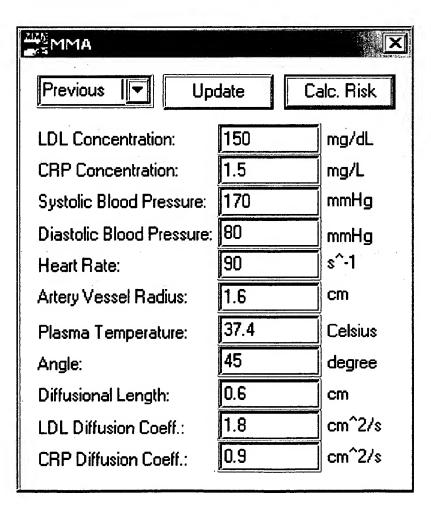
FIG.1 is a typical input screenshot of the MMA.exe showing the inputted atherosclerotic parameters including a LDL concentration parameter in mg/dL, a CRP concentration parameter in mg/L, a blood systolic pressure parameter in mmHg, a blood diastolic pressure parameter in mmHg, a heart rate parameter in s^{-1}, a plasma temperature parameter in °C, an angle parameter in degree, a radius parameter of the arterial vessels in cm, and an axial position parameter of the diffusional flux in cm, called diffusional length in cm; D_L = the LDL diffusion coefficient in cm^2/s; and D_c = the CRP diffusion coefficient in cm^2/s.

Figure 1

MMA

| Previous ▼ | Update | Calc. Risk |

LDL Concentration:	150	mg/dL
CRP Concentration:	1.5	mg/L
Systolic Blood Pressure:	170	mmHg
Diastolic Blood Pressure:	80	mmHg
Heart Rate:	90	s^-1
Artery Vessel Radius:	1.6	cm
Plasma Temperature:	37.4	Celsius
Angle:	45	degree
Diffusional Length:	0.6	cm
LDL Diffusion Coeff.:	1.8	cm^2/s
CRP Diffusion Coeff.:	0.9	cm^2/s

FIG.2 is a typical output screenshot of the MMA.exe showing the output including a total risk of the disease; a primary cause in the disease; a primary therapy target; a secondary therapy target; and a therapeutic efficacy for individuals who require the diagnosis, prevention or treatment of atherosclerosis-related CHD or stroke.

Figure 2

Results

Current Status

0.12354652	0.04706943
0.16553383	0.00319968
0.20507113	0.08005968
0.10715524	0.05083749
0.03757430	

Total Risk: 0.8200473350

Primary Therapy Target:
Systolic Pressure ▼

Primary Cause of Disease:
High Monocyte Flux ▼

Secondary Therapy Target:
CRPLevel ▼

Previous Status

0.64143107	0.09310353
0.42536509	0.00639236
0.12311068	0.08005968
0.04551591	0.12021071
0.05083749	

Total Risk: 1.5860265588

Primary Therapy Target:
LDL Level ▼

Primary Cause of Disease:
High LDL Flux ▼

Secondary Therapy Target:
LDL Level ▼

Evaluate

Back

Theraputic Efficacy:
48.29546 %